

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application Of:

Fujio Kuwako

Application No.: Not Assigned

Filed: Not Assigned

For: Method For Producing Multi-Layer Printed
Wiring Boards Having Blind Vias

Atty. Docket No.: 47163-00018USD1

Examiner: Not Assigned

Group Art Unit: Not Assigned

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on June 9, 2000

Signature:

Grace P. O'Leary

#2
Jc714 U.S. PTO
09/591523
06/09/00

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. §§ 1.97 AND 1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered, and the references listed on enclosed Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed references are not enclosed, since they were submitted to the Patent and Trademark Office in the parent application, Serial No. 09/229,225.

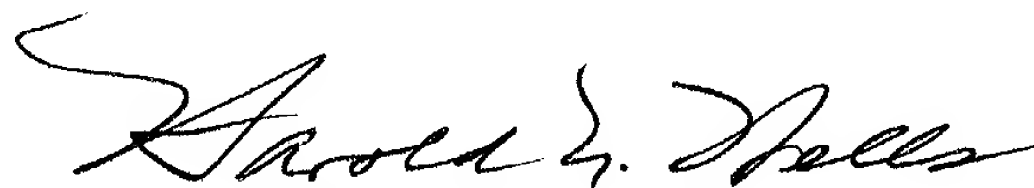
In accordance with 37 C.F.R. §§ 1.97(g) and (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, or an admission that the information disclosed is, or is considered to be, prior art with respect to the present application or material to patentability, as defined in 37 C.F.R. § 1.56.

This Information Disclosure Statement is being filed prior to receipt of a first Office Action reflecting an examination on the merits and, hence, is believed to be timely in accordance with 37 C.F.R. § 1.97(b). Accordingly, no fee is believed to be due. Should any fee be deemed necessary (except payment of the issue fee), however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 10-0447/47163-00018USD1. A duplicate copy of this Statement is enclosed for that purpose.

Respectfully submitted,

Date: _____

6/9/02



Harold N. Wells
Reg. No. 26,044
Jenkins & Gilchrist
1445 Ross Avenue
Suite 3200
Dallas, Texas 75202-2799
(312) 744-0090
For the Applicant

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known	
		Application Number	Not Assigned
		Filing Date	Not Assigned
		First Named Inventor	Fujio Kuwako
		Group Art Unit	Not Assigned
		Examiner Name	Not Assigned
TOTAL AMOUNT OF PAYMENT	(\$) 690.00	Attorney Docket Number	47163-00018USD1

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																				
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: 10-0447/47163-00018USD1</p> <p>Deposit Account Name: Jenkins & Gilchrist</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.31(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>760</td><td>246</td><td>380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>760</td><td>249</td><td>380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (3)</td> <td colspan="2" style="text-align: right;">(\$)</td> </tr> <tr> <td colspan="6">* Reduced by Basic Filing Fee Paid</td> </tr> </tbody> </table>	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - 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SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Harold N. Wells	Reg. Number	26,044
Signature	<i>Harold N. Wells</i>	Date	6-9-00
		Deposit Acct. User ID	10-0447/47163-00018USD1

Form PTO-1449 (modified)	Atty. Docket No. 47163-00018USD1	Serial No. Not Assigned
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Fujio Kuwako	
	Filing Date: Not Assigned	Group: Not Assigned
Page 1 of 1		

09/591523
06/09/00

U.S. Patent Documents							
Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A01	5,403,672	04/1995	Urasaki et al.	428	607	
	A02						
	A03						
	A04						
	A05						
Foreign Patent Documents							
Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B01	WO97/41713	11/1997	PCT	H05K	3/02	N/A
	B02	Hei 4-3676	1/1992	Japan	H05K	3/46	Abstract
	B03						
Other Art (Including Author, Title, Date Pertinent Pages, Etc.)							
Exam. Init.	Ref. Des.	Citation					
	C01	"A Flexible Production Laser System for Blind Via Drilling," Anton Kitai and Jim Morrison, Lumonics, Kanata, Ontario Canada; from brochure <i>Proceedings of the Technical Conference Expo '98</i> , 4 pgs.; 1998					
	C02	"CO ₂ Laser Drilling Technology for Glass Fabrics Base Copper Clad Laminate,": Morio, Gaku, Hidenori Kimbara Nobuyuki Ikeguchi, Yoshihiro Kato, Mitsubishi Gas Chemical Company, Inc., Toyko, Japan; from brochure <i>Proceedings of the Technical Conference Expo '98</i> , 4 pgs; 1998					
	C03	Kestenbaum, Ami, et al., "Laser Drilling Of Microvias In Epoxy-Glass Printed Circuit Boards," <i>IEEE Transactions On Components, Hybrids, and Manufacturing Technology</i> , Volume 13, No. 4, pp. 1055-1062 (December 1990)					
	C04	Pargellis, A. N., et al., "Formation of Microvias In Eposy-Glass Composites By Laser Ablation," <i>Optics & Laser Technology</i> , Volume 22, No. 3, pp. 205-207 (June 1990)					

EXAMINER:	DATE CONSIDERED:
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)